TORO

SpecSheet

V-1550 Series Sprinklers

Everything about the V-1550 says flexibility. Just dial your settings in to the exclusive Toro MultiMatrx™ nozzle. A twist of a screwdriver adjusts gallons per minute, arc and radius from the top of the head—no more fiddling with nozzle trees, nozzle turrets or a dozen different heads. This nozzle is self-cleaning too. Its flexible material and design allows sand and other particles to pass through the ports without clogging or distorting. Such versatility gives you superior distribution with balanced precipitation and even, head-to-head coverage over your entire landscape without maintenance hassles.

That's not all. With the patented TruJectory™ adjustment system, you can make infinite adjustments from 7° to 25°. This allows you to fine-tune the height of the nozzle spray to compensate for windy conditions or spraying under low-hanging obstructions.

The V-1550 with MultiMatrx nozzle—giving you the flexibility to do more with less.

5-YEAR V-1550 SERIES WARRANTY

- 19'-55' radius
- Adjustable TruJectory™ for superior wind resistance
- Self-cleaning MultiMatrx™ nozzle with nine selectable nozzle sizes
- Balanced precipitation rates
- Smart Arc™ memory
- Standard low-pressure nozzle
- Proven planetary, water-lubricated gear-drive design
- All adjustments made from the top—wet or dry

Residential

Commercial

Toro V-1550 Series Sprinklers 19'-55' Radius

Toro's unique TruJectory™ adjusts radius from 19' to 55' (4,6m-16,8m) (7° to 25°) without interrupting the nozzle stream like old-fashioned radius adjustment screws.

Features

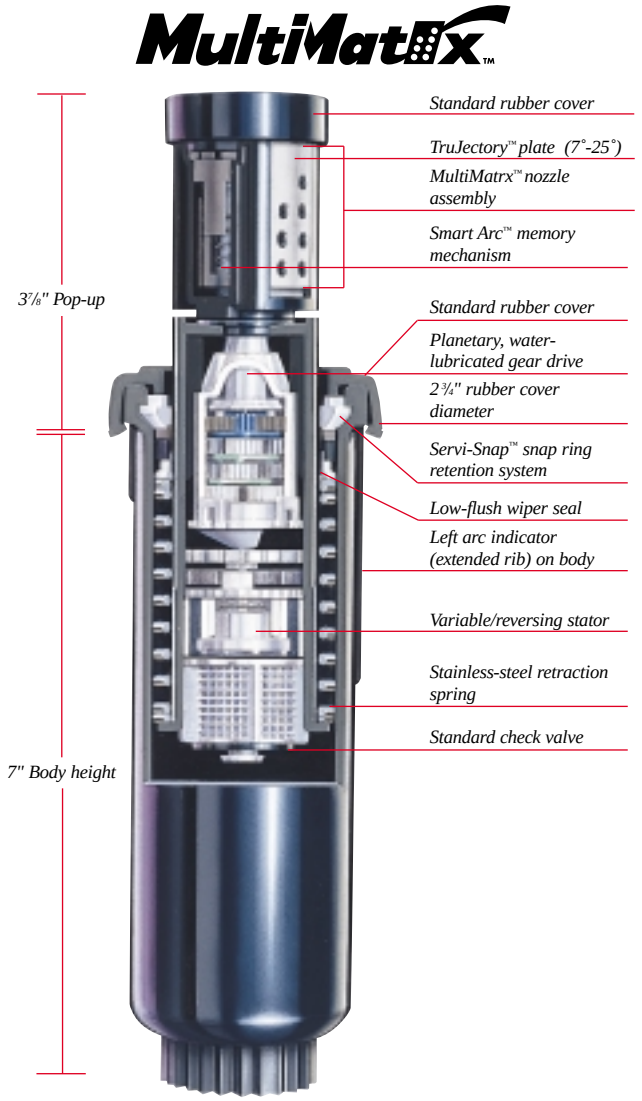
- Adjustable-flow, self-cleaning nozzle with nine settings, 1.0-9.0 GPM
- TruJectory radius adjustment
- Full-circle and adjustable part-circle (40°-360°) models available
- All adjustments made from the top—wet or dry
- Smart Arc™ memory maintains previously set arc and minimizes vandalism
- Balanced precipitation rates
- Standard rubber cover (except shrub models)
- Standard check valve prevents low-head drainage, keeping laterals charged with water
- Servi-Snap™ snap-ring design for easy servicing
- Proven planetary, water-lubricated gear-drive design
- Low-pressure models standard for enhanced nozzle performance
- Effluent identification cover available for all models except shrub (Part No. 89-7857)
- 5-year warranty

Specifications

- Radius: 19'-55' (4,6m-16,8m)
- Flow rate: 0.98-11.62 GPM (3,7-44 LPM)
- Trajectory: 7°-25°
- Recommended operating pressure: 25-75 PSI (1,7-5,2 Bar)
- Optimum nozzle performance: 50 PSI (3,5 Bar)
- ¾" (20mm) female-threaded inlet (pop-up models)
- ¾" (20mm) and ½" (13mm) female-threaded inlet (shrub models)
- Check valve maintains up to 10' (3m) elevation change on pop-up models and 8' (2,4m) on shrub models
- Dimensions:
  - Pop-up to center of nozzle plate:
    4" model—2⅝" (67mm)
    12" model—10¼" (257mm)
  - Height:
    Shrub model—7⅞" (200mm)
    4" model—7" (180mm)
    12" model—17" (425mm)

Note: Specifications subject to change without notice.

For more information, contact your local Toro distributor.



V-1550 Series

Specifying Information

V-1550 [X] [X] [X]

Body	*Optional*	*Standard*	*Optional*
S—Shrub 4—4" Pop-up 12—12" Pop-up	F—Full-circle	L—Low-pressure	E—Effluent*

For Example:
When specifying a full-circle V-1550 Series lawn pop-up sprinkler with a low-pressure nozzle, you would specify:

V-1550-4FL

** Available on shrub models only*

V-1550 MultiMatrx Low-Pressure Nozzle Performance Data @ 25° Trajectory **(Recommended for most applications.)**

Base	Nozzle Sets																															
Pressure	1		Prec. Rate*		1.5		Prec. Rate*		2		Prec. Rate*		3		Prec. Rate*		4		Prec. Rate*		4.5		Prec. Rate*		6		Prec. Rate*		8		Prec. Rate*		9		Prec. Rate*	
PSI	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△
25	29	.85	.10	.11	25	1.05	.16	.19	27	1.44	.19	.22	26	1.85	.26	.30	26	2.73	.39	.45	27	3.23	.43	.49	28	4.00	.49	.57	28	5.02	.62	.71	29	5.57	.64	.74
30	30	.94	.10	.12	27	1.15	.15	.18	29	1.65	.19	.22	28	2.09	.26	.30	30	3.09	.33	.38	30	3.68	.39	.45	31	4.56	.46	.53	31	5.63	.56	.65	33	6.25	.55	.64
35	31	1.02	.10	.12	29	1.25	.14	.17	32	1.82	.17	.20	32	2.34	.22	.25	33	3.47	.31	.35	34	4.09	.34	.39	35	5.05	.40	.46	35	6.28	.49	.57	37	6.96	.49	.57
40	31	1.08	.11	.12	30	1.33	.14	.16	33	1.96	.17	.20	33	2.54	.22	.26	34	3.72	.31	.36	36	4.42	.33	.38	37	5.51	.39	.45	38	6.84	.46	.53	39	7.58	.48	.55
45	31	1.12	.11	.13	31	1.42	.14	.16	34	2.08	.17	.20	34	2.73	.23	.26	35	4.06	.32	.37	39	4.71	.30	.34	39	5.90	.37	.43	42	7.36	.40	.46	42	8.16	.45	.51
50	31	1.17	.12	.14	31	1.49	.15	.17	34	2.15	.18	.21	34	2.89	.24	.28	36	4.31	.32	.37	39	4.98	.32	.36	41	6.27	.36	.41	43	7.85	.41	.47	44	8.75	.44	.50
55	31	1.21	.12	.14	31	1.55	.16	.18	35	2.29	.18	.21	35	3.04	.24	.28	38	4.52	.30	.35	40	5.23	.31	.36	42	6.61	.36	.42	45	8.26	.39	.45	46	9.23	.42	.49
60	32	1.24	.12	.13	30	1.60	.17	.20	35	2.39	.19	.22	35	3.15	.25	.29	38	4.69	.31	.36	40	5.41	.33	.38	43	6.87	.36	.41	45	8.61	.41	.47	47	9.67	.42	.49
65	32	1.28	.12	.14	30	1.66	.18	.21	36	2.48	.18	.21	36	3.30	.25	.28	39	4.88	.31	.36	41	5.62	.32	.37	44	7.14	.36	.41	45	8.99	.43	.49	49	10.09	.40	.47
70	31	1.31	.13	.15	30	1.70	.18	.21	36	2.57	.19	.22	36	3.42	.25	.29	39	5.05	.32	.37	41	5.84	.33	.39	44	7.43	.37	.43	46	9.29	.42	.49	49	10.42	.42	.48
75	30	1.34	.14	.17	30	1.75	.19	.22	37	2.64	.19	.21	37	3.55	.25	.29	39	5.21	.33	.38	42	6.00	.33	.38	44	7.68	.38	.44	47	9.61	.42	.48	50	10.89	.42	.48

□= Nozzles not recommended at this pressure.
■= Optimum nozzle performance.

*△ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.
□ Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.
All performance specifications are based on the stated working pressure available at the base of the sprinkler head.
Radius shown in feet.

V-1550 Series MultiMatrx Nozzle Performance Chart @ 25° Trajectory

Base	Nozzle Sets																															
Pressure	1		Prec. Rate*		1.5		Prec. Rate*		2		Prec. Rate*		3		Prec. Rate*		4		Prec. Rate*		4.5		Prec. Rate*		6		Prec. Rate*		8		Prec. Rate*		9		Prec. Rate*	
PSI	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△
25	29	0.98	.11	.13	30	1.19	.13	.15	30	1.97	.21	.24	30	2.33	.24	.29	30	3.02	.32	.37	30	3.28	.35	.41	31	4.50	.45	.52	31	5.28	.53	.61	30	5.94	.64	.73
30	30	1.09	.12	.13	31	1.29	.13	.15	33	2.08	.18	.21	34	2.60	.22	.25	34	3.38	.28	.33	34	3.77	.31	.36	35	5.29	.42	.48	35	5.99	.47	.54	36	6.80	.51	.58
35	30	1.16	.12	.14	32	1.40	.13	.15	35	2.23	.18	.20	36	2.82	.21	.24	36	3.74	.28	.32	37	4.11	.29	.33	40	5.70	.34	.40	40	7.07	.43	.49	40	7.49	.45	.52
40	31	1.22	.12	.14	33	1.49	.13	.15	36	2.37	.18	.20	37	3.06	.22	.25	38	4.05	.27	.31	39	4.54	.29	.33	43	6.44	.34	.39	43	7.40	.39	.45	43	8.13	.42	.49
45	31	1.29	.13	.15	33	1.58	.14	.16	37	2.51	.18	.20	38	3.24	.22	.25	40	4.31	.26	.30	41	4.85	.28	.32	45	6.61	.31	.36	46	7.96	.36	.42	46	8.95	.41	.47
50	31	1.34	.13	.16	33	1.67	.15	.17	37	2.65	.19	.22	38	3.44	.23	.26	41	4.56	.26	.30	42	5.14	.28	.32	47	6.90	.30	.35	48	8.41	.35	.41	48	9.40	.39	.45
55	31	1.38	.14	.16	33	1.76	.16	.18	38	2.76	.18	.21	39	3.64	.23	.27	41	4.80	.27	.32	43	5.41	.28	.33	49	7.21	.29	.33	50	8.90	.34	.40	50	9.89	.38	.44
60	30	1.40	.15	.17	33	1.85	.16	.19	38	2.80	.19	.22	39	3.72	.24	.27	42	4.99	.27	.31	44	5.63	.28	.32	50	7.48	.29	.33	51	9.28	.34	.40	52	10.34	.37	.43
65	30	1.46	.16	.18	33	1.91	.17	.20	38	2.83	.19	.22	39	3.88	.25	.28	42	5.18	.28	.33	45	5.84	.28	.32	51	7.80	.29	.33	52	9.67	.34	.40	53	10.86	.37	.43
70	30	1.49	.16	.18	32	1.97	.19	.21	38	2.89	.19	.22	39	4.02	.25	.29	42	5.31	.29	.33	46	6.04	.27	.32	52	8.04	.29	.33	54	10.00	.33	.38	54	11.17	.37	.43
75	30	1.52	.16	.19	32	2.02	.19	.22	37	2.95	.21	.24	37	4.07	.29	.33	42	5.47	.30	.34	46	6.18	.28	.32	53	8.24	.28	.33	55	10.36	.33	.38	55	11.62	.37	.43

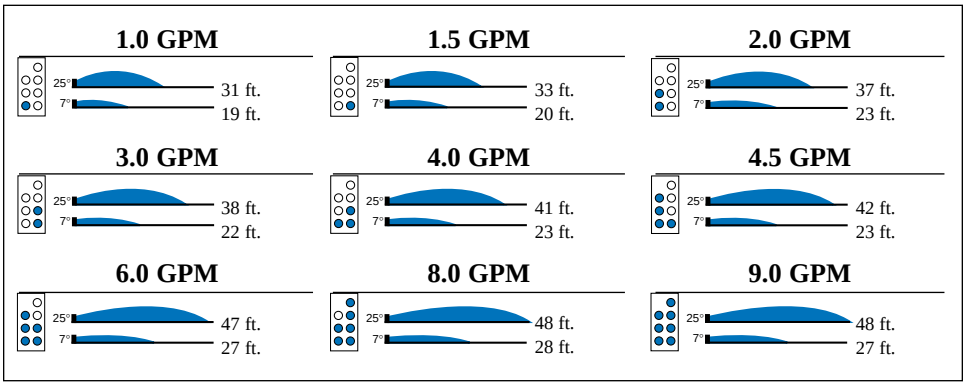
□= Nozzles not recommended at this pressure.
■= Optimum nozzle performance.

*△ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.
□ Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.
All performance specifications are based on the stated working pressure available at the base of the sprinkler head.
Radius shown in feet.

Apex at 50 PSI

Nozzle GPM	25°		7°	
	Maximum Ht. of Spray	Distance from Head	Maximum Ht. of Spray	Distance from Head
1	7'8"	15'	1'5"	9'
1.5	7'8"	15'	1'5"	9'
2	8'4"	19'	1'5"	10'
3	9'4"	22'	1'5"	10'
4	9'6"	22'	1'7"	12'
4.5	10'6"	27'	1'8"	13'
6	11'	28'	1'10"	14'
8	11'6"	30'	2'	15'
9	12'	31'	2'	15'

V-1550 MultiMatrx Nozzle—TruJectory Performance @ 50 PSI



Unlike competitive sprinklers, the MultiMatrx nozzle features a matrix design that sprays water simultaneously from up to seven unique ports. Truly self-cleaning, these ports are manufactured from flexible aerospace materials. So sand and other particles pass right through without clogging or distorting the nozzle.

V-1550 MultiMatrx MPR Combinations

The following sets of nozzles may be used in combination to deliver a balanced precipitation rate.

#1	#2	#3	#4
#1.5	#3	#4.5	#6
#2	#4	#6	#8
#3	#6	#9	
#4	#8	OR #4	#8
#4.5	#9	OR #4.5	#9

Note: Combinations assume that all nozzles are operating at the same pressure. In addition, sprinklers can run off the same line if adequate flow exists.

The MultiMatrx nozzle with TruJectory™ allows infinite trajectory adjustment from 7° to 25°. You can fine-tune the height of the nozzle spray to compensate for the wind or to spray under low-hanging obstructions.

And, trajectory adjustments can be made from the top of the sprinkler—wet or dry—minimizing the time required to fine-tune the sprinkler system. No special-angle nozzles to purchase, inventory, lose or install.

The Toro Company ▸ Irrigation Division ▸ An ISO 9001-Certified Facility ▸ PO Box 489 ▸ Riverside, CA ▸ 92502 ▸ (800) 664-4740 ▸ www.toro.com

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